

Math Professional Learning Opportunities

Whole School Mathematics Program at a Glance

November 19, 2014

Instructional leaders: principals, curriculum directors/coordinators, math coaches and math specialists:

Are your Math scores where you would like them to be? Why is there a glaring disconnect between student learning and achievement? Instructional leaders are invited to explore tools designed to determine the extent of implementation of the KCAS and the Standards for Mathematical Practice and become familiar with the Instructional Implementation Sequence: Attaining the CCSS Mathematical Practices Engagement Strategies.

Goals

- ◆ Identify barriers to meaningful change within the mathematics classroom.
- ◆ Engage mathematics leaders with the Standards for Mathematical Practice.
- ◆ Equip mathematics leaders with strategies and tools for progressively changing instructional strategies in order to make progress meaningful and manageable.

\$160 per person

Elementary Mathematics Teacher Short Courses - Using the Number Line

Courses are designed to strengthen content understanding of the KCCS mathematics content standards and Standards for Mathematical Practice. Participants will:

- ◆ make connections to the PGES framework for teaching
- ◆ examine misconceptions and learn how to design experiences to confront these misconceptions
- ◆ experience activities as a learner that promotes conceptual understanding
- ◆ engage in discourse around the implications for best practice and highly effective teaching with other professionals

Date	Grade Levels	Focus
December 3	K-2	<ul style="list-style-type: none"> • Counting and Cardinality • Number and Operations • Operations and Algebraic Thinking
December 15	3-5	<ul style="list-style-type: none"> • Number and Operations Base Ten • Number and Operations Fractions • Operations and Algebraic Thinking

\$125 per course

Effective Teaching: Building a Mathematics Classroom Culture of Learning Action Research Project

This four-day Action Research Project is designed to strengthen understanding of the elements of formative assessment and the development of a learning culture within the mathematics classroom.

- ◆ Formative assessment strategies
- ◆ Learning objectives
- ◆ Success criteria
- ◆ Growth vs. fixed mindset
- ◆ PGES connections designed to contribute to whole school success
- ◆ Goal setting
- ◆ Effective questions and feedback

Teacher Team Meeting Dates	
December 12, 2014	January 30, 2015
February 27, 2015	March 27, 2015
Administrator meeting: January 28, 2015	

Teams will be comprised of 2 math teachers from the same school, any grade level K-12, who have a keen interest in formative assessment and are fully committed to making changes to their practice. Administrators will also receive training support.

\$1,000 per 2-person teacher team

To register or view more details on any of these programs, visit www.uky.edu/pimser